VENTILATION—PURE AIR.

Sutherland's Ventilator, for the admission of pure air through an EXTERNAL WALL.

With single pulley, from 6s. each; with treading pulley, from 8s. 6d.

These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impaired when the house is closed for the season, at which time a constant supply of fresh air is most required.—HAYWARD BROTHERS, copper & bell-hangers, 198, Blackfriars-road, and 137, Tottenham-court, Fitzroy-square; and of all respectable ironmongers, builders, &c.

DR. ARNOTT'S VENTILATING CHIMNEY WARMER.

With internal action, and all the latest improvements. Recommended for the ventilation of apartments generally.

REDUCED LIST OF PRICES—SUBJECT TO THE TRADE DISCOUNT.

	First size, 13 by 8.	Second size, 16 by 9
Plain Iron Valve	£ 6 0	£ 8 0
Bronzed and Leathered	7 6	10 6
Japanned, white with Gold lines	11 6	16 6
Ditto with Trellis work	17 6	25 0
Bronze Front, bright, or bronzed	13 6	19 6
Ditto with Trellis work	20 0	27 0

Various sizes of any description made to order.

Manufactured by HARY and SON, 8, St. Ann's Wyth-street, Strand, London.—Post-office orders payable at Wellington-street, Strand.

WARMING by HOT WATER.—J. WEEKS and CO. King's-road, Chelsea.—A great variety of plain and ornamental apparatuses, consisting of Pedestals, and Stacks of Pipes for warming Churches, Mansions, Warehouses, Offices, Hospitals, Green Houses, &c. &c.—Mr. J. WEEKS, engineer, &c., continues on our Premises at Chelsea, and also at the STOCKTON'S extensive warmage repository, Halkin-street, Hyde-park-corner.

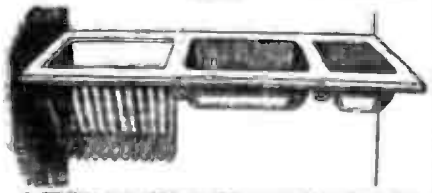
NEW HOUSES of PARLIAMENT.—DEFRIES'S GAS STOVES, RANGES, and BATHS just completed for two Kitchens in the above buildings. A great variety in stock upon the same principle. GAS BATHS from 8l. by which a warm bath may be obtained for three bathrooms!—Circulars as the Offices, 142, Regent-street; Manufactories removed from 14, Hanover-street, and 6, St. Martin's-lane, to more extensive premises in the New-road, St. Pancras.

LATEST and GREATEST IMPROVEMENT in KITCHEN RANGES or COOKING APPARATUSES, combining Economy and Efficiency. More than Eight Thousand of CLAVEL'S PATENT KITCHENERS have been fixed in various parts of the United Kingdom, a fact by the recommendation of parties who have adopted them without the aid of advertising or other agencies; and it was the only Kitchen Grate in the whole world to which the Jury of the Great Exhibition awarded a Prize Medal, with medal of special approbation.

The Kitchener, as shown during the Great Exhibition, may be seen at S. CLAVEL'S London Depôt, 39, Jermyn-street, St. James's; and at the Manufactory, Augusta-place, Leamington Priors, Warwickshire.

Testimonials and Plans forwarded free, on application to the Manufactory, Leamington.

PRIZE MEDAL of the GREAT EXHIBITION. COTTAM and HALLEN, 9, Whitby-street, Oxford street, London.



COTTAM and HALLEN especially invite Architects, Builders, and the Trade, to the inspection of the numerous STOCK of CASTINGS required for Buildings and other purposes.

Every article in the trade kept in stock. An extensive assortment of Fenders for both plain and ornamental Chimneys and every description of Wrought and Cast-Iron work. Prices equal to all competition. Estimates upon application. Bills of quantities priced out.

WARMING and VENTILATING.

NAILS and IRONMONGERY, from BIRMINGHAM direct.

Builders, Contractors, and Others supplied with Nails, Iron, and Ironmongery of every description, at the LOWEST BIRMINGHAM PRICES.

A complete LIST of which will be forwarded upon application.

FREDERICK BLYTH, Nail Manufacturer and General Factor, Bible-and-crown-street, BIRMINGHAM; or, at 16, Great-saint-Helen's, LONDON.

TO BUILDERS, CARPENTERS, AND OTHERS.

BENJAMIN WALMSLEY, IRONMONGER, BRASS FOUNDER, STOVE and RANGE MANUFACTURER, 137, and 137, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholsters, blind-makers, smiths, wheelwrights, &c. at wholesale prices:—

Best Cut Sheet Flooring Brads	11d.				per cwt.
Best Cut Clasp and Rose	1½	1¾	2	2½	3 in. per cwt.
	14s. 6d.	16s.	18s.	20s.	22s. per cwt.
Cast Lath Nails, 4s. 6d. per cwt.; Sash Weights, 4s. per cwt.					
Sash Pulleys, 4s. per gross.					
Cast Butts, per dozen pair:—3-in. 10d.; 3½-in. 1s. 2d.; 3 in. 1s. 6d.					
Iron Rain-water pipe	2	3	4 in.		
	10d.	1s.	1s. 1d.	per yard.	
Half Round	2	3	4 in.		
Gutter	7d.	9d.	10d.		
O G Gutter	4	5	6 in.		
	11d.	1s.	1s. 6d.		

Air Bricks, 3s. 6d. per dozen. Hooping for Boxes, 4s. 6d. per cwt. Dr. Arnott's Ventilators, 4s. 6d. each.

3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 35s. each.

3-ft. ditto, with Wrought Bars and Bright Fittings, 45s. each.

Register Stoves, with Double Backs, 5d. per inch.

Hilpitic Stoves, with Double Backs, 20d. per inch.

Bright Register Stoves, with Two Sets of Bars, from 3l. each.

An excellent variety of Grates and Bright Register Stoves kept ready for use at all seasons, to which the attention of architects and builders is respectfully invited.

A large assortment of Rim, Mortice, Drawback, Iron Gate, and other kinds of Locks and Latches. An extensive Stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.

Finger Plates, Levers, and Bell-pulls en suite.

Bar, Hoop, Sheet, and Rod Iron, and Spring Steel.

The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by say ng that every trade connecting ironmongery can here select whatever they require at wholesale prices.

WALMSLEY'S, 137 and 137, LONDON-ROAD, SOUTHWARK, six doors from the Obelisk.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, respectfully confines the above Trade to the Sale of his manufactured goods, which cannot be excelled in variety, quality, and cheapness by any house in London.

Elliptic Stoves, double backs, 6d. per inch, and upwards.

Register Stoves, 4d. 5d. 6d. 8d. 10d. per inch.

Self-acting Ranges, with circular ovens and hush boilers, best wrought bars and bright fittings:—

3 ft. 6 in., 3 ft. 6 in., 3 ft. 9 in., 4 ft., 4 ft. 6 in.

3-feet Cottage Ranges, with ovens and hush boilers, 32s. each.

3-feet self-acting ditto, ditto, 35s. each.

Air Bricks, 3s. 6d. per doz.

1-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasp

2	2½	3	3½	4	Brads and larger.
14s. 6d.	16s.	18s.	20s.	22s.	per cwt.

Best Sheet Flooring Brads, 11s. 6d. per cwt.

Best Tower Spring Ditto, 6d. each, 5s. per cwt.

Best Patent Sash Line

1	2	3	4	
4s. 6d.	5s. 6d.	7s. 6d.	10s. 6d.	per gross.

List of Prices had on application at the Warehouse, or by letter prepaid.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-setting Cottage Ranges, 3 ft. 3 in. 3 ft. 6 in. 4 ft. 4 ft. 6 in. 5 ft. Brad Ellipse Stoves, with Arabesque Back and Solid Bars, per inch, 3½d.

Register Stoves, with Solid Bars, per inch, 6d. Best Solar ditto, with Fire Brick Back, per inch, 10d.

Bright Stoves, with Two Pitts, 8in. to 16in. each.

Cast Rain-water Pipe { 2 in. 3 in. 4 inch. 9d. 10d. 1s. per yard.

Cast Gutters—4 inch, 9d. per yard. O. G. Gutters { 4 inch. 11d. 12 per yard.

Best Cut Clasp and Rose { 1½ 1¾ 2 2½ 3 inch. 14s. 6d. 16s. 18s. 20s. 22s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

1-inch Cut Lath, 12s. 6d. Cast Lath, 4s. 6d.

Patent Line { 2 3 4 5 6 4d. 5d. 7d. 9d. 1s. per knot.

6 inch 3-Bolt Rd. Wood Mortice, with bolts Turned ov and Patent Spindles, 3s each. Light Ellipitic and Register Metal, 12s per cwt.

Dr. Arnott's Ventilators, 4s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Oven Paper.

GEORGE HART, MANUFACTURING IRONMONGER, 253, STRAND, NEAR TEMPLE-BAR.

GEORGE HART solicits the attention of Builders and others to his extensive stock of GENERAL IRONMONGERY, which for quality and lowness of price cannot be surpassed.

Best Cut Clasps

14s. 6d.	16s.	18s.	20s.	22s. per cwt.
11	12	13	14	15

Best Sheet Flooring Brads, 11s. 6d. per cwt.

Cast Lath Nails, 4s. 6d. per cwt. Sash Weights, 4s. per cwt.

Bias Locks, best furniture, 50s. per dozen.

Best Tower Spring Ditto, 6d. per cwt.

Best Patent Sash Line:

4s. 6d.	5s. 6d.	7s.	9s.	10s. 6d.	per gross.
2	3	4	5	6	

Dr. Arnott's Ventilators, 4s. 6d. each.

GEORGE HART is now manufacturing an extensive stock of PATENT PANNEL DOOR FURNITURE, in china, glass, and fancy woods, a reduced price list of which he will shortly issue. An extensive and well-selected stock of BRASS CHANDELIERS.

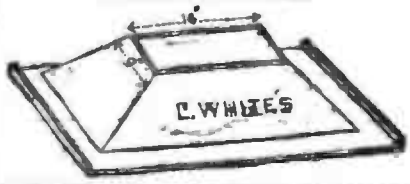
GEORGE HART, in soliciting the patronage of his friends and the public, assures them that they will find all articles of the best quality, and at such prices that will ensure the favour of continued commands.

HART'S, 253, STRAND.

RAIN-WATER PIPES, O G and Half-round Gutters, Sash Weights, Rolling Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas water, or drainage; bends, heel, &c.; flange and bell-spigot pipes, with all the usual connections; lamp-posts and retorts, stable fittings, pig-troughs, &c. &c.—J. JONES, IRON BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

IMPORTANT TO BUILDERS.



REGISTERED CAST-IRON CHIMNEY. HOPPER and CHIMNEY BAR COMBINED, ensuring a perfect formation of the Flue, and rendering smoky chimneys impossible. One trial will cause their adoption in every building.

Price from 6s. 6d. each, according to size.

CAST IRON KITCHEN SINKS, with overflow and cleansing pipe, at 3s. 6d. each.

RAIN-WATER PIPE and EAVE GUTTERS, at wholesale prices. Also, O. G. gutters, sash weights, STABLE FITTINGS, pumps, tomb railings, grate and pig troughs, and COLUMNS with caps and bases, and every kind of builders' castings in stock, at LYNCH WHITE'S Iron Wharf, Upper Ground-street, London, near Blackfriars-bridge.

LOSH, WILSON, and BELL, NEWCASTLE-ON-TYNE, Manufacturers of Bar Iron, Railway Bars, Forge and Engine Work, Cast-Iron Goods, and STEWART'S PATENT CAST IRON GAS and WATER PIPES. Office, No. 7, Bloomsbury-square, London.

FOUNDRY AND IRON WORKS, 69, DRURY-LANE, and CHARLES-STREET, DRURY-LANE.

GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either structural or ornamental.

Patterns of Girders, Columns, Balconies, Railing, Ornamental Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Lathes, and Steam-engines; Range and Hot-plate Metal. An improved Soot Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and O G Gutters, Air-bricks, Sash Weights, Air-tight Sewer Grates, Stable Fittings, Mortice, &c.

Plain 2d Ornamental Vases 20 per cent cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Doors, Bank safes and Strong Rooms, Tanks and Boilers, and every description of Ironwork to specification, and the work executed with every attention to quality and despatch.

GLOVERS' IRONWORKS, 169, DRURY-LANE, and CHARLES-STREET.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES for strong Rooms. A large assortment of all sizes made in the best manner, and of the newest construction fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, as required; also of every description of PLAIN FIRE-PROOF SAFES. Chubb's Patent Detector Locks and Latches for all purposes.—CHUBB and SON, 57, Manufacturers, 57, St. Paul's Church-yard, London.

ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Salubrity, Cleanliness, Water Companies Towns, Purchase Unions, Public Baths, Breweries, Distilleries, Paper-makers, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENLEY, Civil Engineer, and practical Boring Tools, 15, Cumming-street, Pentonville, London, who, having had an extensive practice of twenty years' experience, is enabled to give the most satisfactory and reliable responsible references. Pumps and machinery of every description for raising water from deep wells, boring tools, with suitable plans, for superintending, with instructions if required sent supplied to any part of the continents, or Provinces, &c.

PUMPS of SUPERIOR CONSTRUCTION, altered particularly since by the present manufacturer, in various plain and ornamental patterns, for pressing, suction, plunger, force, or combination, &c. Lever Barrel and Hydraulic Lift Pumps, with handles on plans, and engines of various powers, for wells of any depth. Lifting, Force, Chain, Pitch, and Bricklayers' Pumps, both cast and wrought iron. Every description of pump to any depth.—BENJAMIN BRAMAH, Hydraulic Engineer, New Factory, Welbeck-street, Fleet-street.

TO BUILDERS AND PLUMBERS

The attention of the Trade is called to JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP, which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard, the cumbrous carriage and expensive chain and guides are unnecessary, rendering this pump considerably less than pumps made on the old plan.

Deep and Water Engines for raising fluids from a depth not exceeding 30 feet also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS, 6, Cresent, Jewin-street, London, Manufacturers and Patentees.

CHURCH and TURRET BELLS. EXHIBITION PRIZE MEDAL granted to J. WARNER and SONS, BELL FOUNDERS AND ENGINEERS, who are prepared to contract for the supply of CHURCH BELLS of any weight or key, single or in peals, of superior tone. Peals augmented, cracked bells recast, rehung, &c.

MUSICAL HAND BELLS, Clock, House, Ship, Cattle, and every other description of Bells kept in stock. Old bells taken in exchange.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO., 46 and 48, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gate and door of large and small dimensions, a pair of 4 feet weighing 80 lbs. with these hinges as easily as a wicket. Ornamental hinges adapted for fronting-rooms, &c.; doors fitted with them can be removed and replaced in an instant. Blasting and deadening spring hinges, and superior gate fastenings, at moderate prices. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent axle trees, sugar-mills, &c.

GAS CHANDELIERS, HALL LANTERNS, &c.—To Gas-fitters, Ironmongers, and the Trade generally.—The most complete assortment in London of every description of Gas-fittings, as suitable for dressing and dining rooms, libraries, halls, &c. Every article manufactured on the premises, and marked with the wholesale price. Dr. Arnott's Improved Ventilator, Patent Gas Meters, &c. at D. HULETT and SON, 33 and 34, HIGH HOLBORN.—N.B. Large pattern book of engravings, with price list, 1s.; small ditto, 6d. D. Hulett's improved Bronze Cement.

IMPORTANT.—IMPROVEMENT in FURNACES. The New Patent Moveable Fire-Bars have proved to produce a more rapid generation of steam, with 10 per cent less fuel, four-fifths less clinkers, and considerable less trouble to the fireman. They are applicable to any description of furnace, require no extra power, and are more durable. There is no machinery to avoid a simple hand lever, easily worked, by which the centre portion of the fire-grate can be cleansed in less than a minute, and the bars sealed without opening the fire-door.

Licenses to use these Bars have been granted and applied, since Sept. 1851, to upwards of Eighty Furnaces, among which are the following:—

9 Steam Boilers and 6 Stoves, Messrs. Fairrie, Brothers, and Co., London, Sugar Refiners.
6 Steam Boilers and 3 Stoves, Messrs. Fairrie and Co. Liverpool.
7 Steam Boilers and 3 Stoves, Messrs. Fairrie and Co. Greenock.
4 Steam Boilers and 4 Stoves, Matthew Brown, Pt. Glasgow.
4 Steam Boilers and 4 Stoves, Hall and Boyd, London.
Also at Messrs. Martineau and Son's; Bensedrine and Co.'s; Harrison and Co.'s; Messrs. Maclees and Sons'; Holt and Co.'s, &c. &c.

In addition to the aforesaid advantages, Brewers have found by the use of the Bars, a "per cent. saving in time in heating liquor, and great regularity in boiling the wort."

They can be seen in operation on applying to Mr. CHANTER, the proprietor of the Patent, at his office, 123, Leadenhall-street; or 2, Arnold-terrace, Brow-road, London.

ROBSON and SON'S IMPROVED WHEEL TIRE, for lessening the draught of Vehicles, and retarding the friction upon the axles.—R. and Son, Wheelwrights and Hot Tire smiths, having registered an Improved Iron (which is manufactured by a process recently patented), are prepared to fire wheels with the above iron, which has many advantages over the flat tire, as the strain is removed from the front and back edges to the centre, thereby decreasing the draught greatly, in vehicles with six-inch tire and under.—N.B. Old wheels can be new tired with the above iron.—Lists of prices may be had on application at the factory, Liquorpond-street, and Leyland-street, Gray's-inn, Holborn, London.

PATENT ORNAMENTAL ZINC.—Specimens of this new invention may be seen at Mr. F. H. Greenstreet's Office, No. 22, Southampton-street, Strand, London; and manufactures are informed that they may obtain Licences from the patentee upon favourable terms. Lines, enamel and ornamented by the new process, is available for many novel purposes, with the recommendations of economy, durability, and good effect, and therefore the invention is well worth the attention of the scientific public in general, and of architects, builders, decorators, designers, engravers, engineers, metal workers, and many other manufacturers, in particular; and especially of such persons as are desirous of enlarging the sphere of their business, or of embarking in a new and profitable manufacture requiring a very small capital.

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